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APPLICATION NO.	FI	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/789,815	(02/27/2004	Kenneth W. Baun	MIC.025A 5653	
20995	7590	09/12/2006		EXAMINER	
KNOBBE	MARTEN	NS OLSON & BEA	KO, TONY		
2040 MAIN STREET FOURTEENTH FLOOR				ART UNIT	PAPER NUMBER
	IRVINE, CA 92614			2878	
	·		DATE MAILED: 09/12/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)			
		10/789,815	BAUN, KENNETH W.			
	Office Action Summary	Examiner	Art Unit			
		Tony Ko	2878			
Period fo	The MAILING DATE of this communication apports or Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1)[X]	Responsive to communication(s) filed on 7/19/0	76	•			
·	This action is FINAL . 2b) ☐ This action is non-final.					
, 	Since this application is in condition for allowan		secution as to the merits is			
٠,۵	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
· <u> </u>		application				
	Claim(s) <u>1,4-25 and 27-38</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration.					
	Claim(s) is/are allowed.					
	Claim(s) is/are allowed. Claim(s) <u>1,4-25 and 27-38</u> is/are rejected.					
-	Claim(s) is/are objected to.					
·	Claim(s) are subject to restriction and/or	election requirement				
•		election requirement.				
	on Papers					
•	The specification is objected to by the Examiner		•			
10)	The drawing(s) filed on is/are: a)☐ acce	, , ,				
	Applicant may not request that any objection to the o	*	• •			
	Replacement drawing sheet(s) including the correcti	•	· ·			
11)	The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.			
Priority ι	ınder 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
	t(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948)	4)				
3) 🔲 Infori	mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date		atent Application (PTO-152)			

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DETAILED ACTION

1. This office action is in response to arguments filed on 7/19/06. Claims 1, 4-25 and 27-38 are still pending.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claims 1, 4-9, 14-16, 18, 19, 21, 24, 25, 27-31, 33-36 are rejected under 35 U.S.C. 102(b) as being anticipated by Suda (U.S. Patent 6,388,707).
- 4. Regarding claim 1, Suda discloses (Figs. 1A, 19) a handheld night vision device for viewing a subject in low light conditions, wherein a reduced portion of a user's face proximate an eye is illuminated, the night vision device comprising: a housing having optics to collect light into the housing; an eyepiece (F) comprising a flexible eye cup including a pliable member capable of substantially form fitting an eye socket of a user thereby being capable of substantially precluding illumination of a face of the user by the night vision device; an imager (19 and 20) positioned to be illuminated by the light, the imager configured to generate an electrical signal representative of an intensity. enhanced image of the light; and a digital display (24) disposed within the housing, the digital display configured to display the intensity enhanced image, wherein the digital display is viewable through the eyepiece.

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5. Regarding claim 14, Suda discloses (Fig. 40) the method comprising: receiving image data through first optics (7) into a housing; digitally enhancing the image data to create enhanced image data (DSP 109b) adjusted for low light conditions; electronically displaying an image corresponding to the enhanced image data on a screen (24) disposed within the housing; and providing a view of the screen through a flexible eyepiece attached to the housing.

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- 6. Regarding claim 4, Suda discloses the digital display comprises a liquid crystal display (Col. 6, Line 45).
- 7. Regarding claim 5, Suda discloses the device further comprises a light source (2).
- 8. Regarding claim 6, Suda further discloses the light source is an infrared light source.
- 9. Regarding claim 7, Suda discloses the light source comprises an array of infrared light emitting diodes (Fig. 2).
- 10. Regarding claims 8 and 17, Suda discloses a user controller (on/off switch) configured to adjust the intensity of the light source. That is, user adjust the intensity by turning on or off the video camera.
- 11. Regarding claim 9, Suda discloses an interchangeable filter (101) disposed between the digital display and the eye piece.
- 12. Regarding claims 15 and 16, Suda further discloses emitting infrared light (2) so as to illuminate an object (eye) to be observed.

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13. Regarding claim 18, Suda discloses comprising selectively adjusting (27) the gain of the screen.

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- 14. Regarding claim 19, Suda discloses selectively filtering (DSP) the view of the screen through the flexible eyepiece.
- 15. Regarding claims 20 and 21, Suda discloses the selective filtering is based on preserving unaided visual acuity. That is, the digital signal processing provides enhanced signal to unaided eye.
- 16. Regarding claim 24, Suda discloses (Fig. 1B) the device further comprising: collecting light through an objective lens (8); and focusing (12) the light onto an optical sensor.
- 17. Regarding claim 25, Suda discloses an enclosure; sensing means (19 and 20) disposed within the enclosure for receiving light and for generating a signal proportional to an intensity enhanced image (amplified by device 20) of the light; means for receiving the signal and for displaying (24) the intensity enhanced image within the enclosure; and means, including a flexible eyepiece, for viewing the intensity enhanced image within the enclosure.
- 18. Regarding claim 27, Suda discloses means for filtering (109, DSP) the intensity enhanced image.
- 19. Regarding claim 28, Suda discloses means (2) for emitting light substantially imperceptible to unaided humans, wherein the emitted light is detectable by the sensing means.

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20. Regarding claim 29, Suda discloses means (12) for focusing the light onto the sensing means.

- 21. Regarding claim 30, Suda discloses means (DSP) for formatting the signal for display.
- 22. Regarding claim 31, Suda discloses a night vision scope comprising: a lens assembly (7) configured to collect light; a flexible eyepiece (F); a sensor (CCD) configured to amplify the light; and a video display module internal to a housing of the lens assembly, flexible eyepiece and sensor, the video display module (LCD) configured to display a video signal corresponding to an image of the amplified light.
- 23. Regarding claim 33, Suda discloses the sensor is made of charge coupled device.
- 24. Regarding claim 34, Suda discloses the sensor is a digital camera. That is, since the sensor process the signal digitally, it is understood that the sensor is a digital camera.
- 25. Regarding claim 35, Suda discloses an infrared light source (2).
- 26. Regarding claim 36, Suda discloses the internal video display module is a liquid crystal display.

Claim Rejections - 35 USC § 103

- 27. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

- 28. Claims 10-12, 22, 23, 32, 34, 37 and 38 are rejected under 35 U.S.C. 103(a) as being unpatentable over Suda.
- 29. Regarding claims 10-12, Suda discloses the invention set forth above. Suda does not disclose the interchangeable filter is configured to change the properties of the displayed signals. It is well known to use filters to modify the displayed images. It would have been obvious to a person of ordinary skill in the art at the time of the invention to use the filter to modify the displayed images to enhance the images perceived by the user.
- 30. Regarding claim 13, Suda discloses the invention set forth above. Suda does not disclose the brightness of the device is adjustable. It is well know to adjust the brightness of the display. It would have been obvious to a person of ordinary skill in the art at the time of the invention to adjust the brightness of the display to enhance the image for viewability.
- 31. Regarding claims 22 and 23, Suda discloses the invention set forth above. Suda does not disclose providing an electronic signal corresponding to the enhanced image data to an external device to an remotely displaying location. It is well known to provide an electronic signal corresponding to the enhanced image data to an external device to a remotely displaying location. It would have been obvious to a person of ordinary skill in the art at the time of the invention to provide an electronic signal corresponding to the enhanced image data to an external device to an remotely displaying location to for the image to be further processed.

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32. Regarding claims 32, 37 and 38, Suda discloses the invention set forth above. Suda further discloses the switch 28 changes the signal inputted into the LCD display circuit and in term changes the color displayed by the display. Suda does not disclose the sensor or the display module is monochromatic. It is design choice to have monochromatic sensor/display. It would have been obvious to a person of ordinary skill in the art at the time of the invention to have monochromatic sensor/display to reduce the production cost.

Response to Arguments

33. Applicant's arguments filed 7/19/06 have been fully considered but they are not persuasive. Applicant argues that Suda, '707, does not disclose or teach F comprise a flexible eye cup including a pliable member capable of substantially form fitting an eye socket of a user. Examiner disagrees. Though Suda discloses the F finder is where the images are being viewed, it also serves as a device which hinders the substantial amount of light from leaving the socket. That is, there is no structural difference between F (where the image is being viewed), and what applicant claims to be novel. Thus, applicant's argument is not persuasive.

Conclusion

34. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

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A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tony Ko whose telephone number is 571-272-1926.

The examiner can normally be reached on Monday-Friday 7:30 - 4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Georgia Epps can be reached on 571-272-2328. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

PRIMARY EXAMINER

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